IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1-14. (Canceled)

15. (Currently Amended) A sending-receiving system comprising a sender apparatus for transmitting data and a receiver apparatus for receiving said data transmitted by said sender apparatus;

wherein said sender apparatus includes:

an acquiring section for acquiring said data;

a supplementing section for supplementing ~~said~~ acquired data acquired by said acquiring section with sequence information for indicating a sequence of said data;

a sending section for transmitting to said receiver apparatus said data supplemented with said sequence information by said supplementing section;

a determining section for determining whether or not predetermined data is included in said acquired data, the predetermined data having a particular field set as a predetermined value in the sequence information;

a storing section for storing said data supplemented with said sequence information by said supplementing section,

wherein, when said determining section determines that the predetermined data is included in said acquired data, said storing section stores the predetermined data and a header attached to said predetermined data, and

wherein, when said determining section determines that the predetermined data is not included in said acquired data, the supplemented data is discarded and said storing section does not store the supplemented data; and

an ordering section for ordering said sending section to transmit the data retrieved from said storing section upon elapse of a predetermined time period following transmission of said data by said sending section; and

wherein said receiver apparatus includes:

a receiving section for receiving said data transmitted by said sending section;

a determining section for determining whether or not said data received by said receiving section has been received already based on said sequence information extracted from said data; and

a storage controlling section for discarding said data if said data received by said receiving section is found already received, said storage controlling section further storing said data if said data received by said receiving section is not found received already.

16. (Currently Amended) A sender apparatus comprising:

an acquiring section for acquiring data;

a supplementing section for supplementing ~~said~~ acquired data acquired by said acquiring section with sequence information for indicating a sequence of said data;

a sending section for transmitting said data supplemented with said sequence information by said supplementing section;

a determining section for determining whether or not predetermined data is included in said acquired data, the predetermined data having a particular field set as a predetermined value in the sequence information;

a storing section for storing said data supplemented with said sequence information by said supplementing section,

wherein, when said determining section determines that the predetermined data is included in said acquired data, said storing section stores the predetermined data and a header attached to said predetermined data, and

wherein, when said determining section determines that the predetermined data is not included in said acquired data, the supplemented data is discarded and said storing section does not store the supplemented data; and

an ordering section for ordering said sending section to transmit the data retrieved from said storing section upon elapse of a predetermined time period following transmission of said data by said sending section.

17. (Currently Amended) The sender apparatus according to claim 16, ~~further comprising a determining section for determining whether or not predetermined data is included in said data acquired by said acquiring section;~~

~~wherein said storing section stores said predetermined data if said determining section determines that said predetermined data is included in said data; and~~

wherein said ordering section retrieves said predetermined data from said storing section and orders said sending section to transmit said predetermined data thus retrieved.

18. (Currently Amended) The sender apparatus according to claim 16, further comprising a determining section for determining whether or not audio data is included in said acquired data ~~acquired by said acquiring section~~;

wherein, if said determining section determines that audio data is included in said data, then said storing section stores said audio data and a header attached to said audio data; and

wherein said ordering section retrieves said header and said audio data from said storing section and orders said sending section to transmit the retrieved header and audio data.

19. (Previously Presented) The sender apparatus according to claim 18, wherein said header is an RTP header.

20. (Currently Amended) A sending method comprising the steps of:

controlling acquisition of data;

supplementing ~~said~~ acquired data acquired in said acquisition controlling step with sequence information for indicating a sequence of said data;

controlling transmission of said data supplemented with said sequence information in said supplementing step;

determining whether or not predetermined data is included in said acquired data, the predetermined data having a particular field set as a predetermined value in the sequence information;

controlling storage of said data supplemented with said sequence information in said supplementing step,

wherein, when the predetermined data is included in said acquired data, said controlling storage step stores the predetermined data and a header attached to said predetermined data, and

wherein, when the predetermined data is not included in said acquired data, the supplemented data is discarded and said controlling storage step does not store the supplemented data; and

ordering said transmission controlling step to transmit said data retrieved from storage under control of said storage controlling step upon elapse of a predetermined time period following transmission of said data in said transmission controlling step.

21. (Currently Amended) A recording medium which records a program in a manner readable by a computer, said program comprising the steps of:

controlling acquisition of data;

supplementing ~~said~~ acquired data acquired in said acquisition controlling step with sequence information for indicating a sequence of said data;

controlling transmission of said data supplemented with said sequence information in said supplementing step;

determining whether or not predetermined data is included in said acquired data, the predetermined data having a particular field set as a predetermined value in the sequence information;

controlling storage of said data supplemented with said sequence information in said supplementing step,

wherein, when the predetermined data is included in said acquired data, said controlling storage step stores the predetermined data and a header attached to said predetermined data, and

wherein, when the predetermined data is not included in said acquired data, the supplemented data is discarded and said controlling storage step does not store the supplemented data; and

ordering said transmission controlling step to transmit said data retrieved from storage under control of said storage controlling step upon elapse of a predetermined time period following transmission of said data in said transmission controlling step.

22. (Currently Amended) A computer-readable medium storing a computer program ~~for causing a computer to execute a procedure~~, the computer program comprising the steps of:

controlling acquisition of data;

supplementing ~~said~~ acquired data acquired in said acquisition controlling step with sequence information for indicating a sequence of said data;

controlling transmission of said data supplemented with said sequence information in said supplementing step;

determining whether or not predetermined data is included in said acquired data, the predetermined data having a particular field set as a predetermined value in the sequence information;

controlling storage of said data supplemented with said sequence information in said supplementing step,

wherein, when the predetermined data is included in said acquired data, said controlling storage step stores the predetermined data and a header attached to said predetermined data, and

wherein, when the predetermined data is not included in said acquired data, the supplemented data is discarded and said controlling storage step does not store the supplemented data; and

ordering said transmission controlling step to transmit said data retrieved from storage under control of said storage controlling step upon elapse of a predetermined time period following transmission of said data in said transmission controlling step.

23. (Currently Amended) A receiver apparatus comprising:

receiving means for receiving predetermined data having a particular field set as a predetermined value in sequence information of the predetermined data;

determining means for determining whether or not said data received by said receiving means has been received already based on sequence information which is extracted from said data and which indicates a sequence of said data; and

storage controlling means for discarding said data if said data received by said receiving means is found already received, said storage controlling means further storing said data if said data received by said receiving means is not found received already.

24. (Previously Presented) The receiver apparatus according to claim 23, wherein, if continuity of said data received by said receiving means is found disrupted on the basis of said sequence information, then said determining means determines whether or not said data is the already-received data.

25. (Currently Amended) A receiving method comprising the steps of:

controlling reception of predetermined data having a particular field set as a predetermined value in sequence information of the predetermined data;

determining whether or not said data received in said reception controlling step has been received already based on sequence information which is extracted from said data and which indicates a sequence of said data; and

controlling storage of said data which is discarded if said determining step determines that said data received in said reception controlling step has been received already, said storage controlling step further storing said data if said data is not found received already.

26. (Currently Amended) A recording medium which records a program in a manner readable by a computer, said program comprising the steps of:

controlling reception of predetermined data having a particular field set as a predetermined value in sequence information of the predetermined data;

determining whether or not said data received in said reception controlling step has been received already based on sequence information which is extracted from said data and which indicates a sequence of said data; and

controlling storage of said data which is discarded if said determining step determines that said data received in said reception controlling step has been received already, said storage controlling step further storing said data if said data is not found received already.

27. (Currently Amended) A computer-readable medium storing a computer program ~~for causing a computer to execute a procedure~~, the computer program comprising the steps of:

controlling reception of predetermined data having a particular field set as a predetermined value in sequence information of the predetermined data;

determining whether or not said data received in said reception controlling step has been received already based on sequence information which is extracted from said data and which indicates a sequence of said data; and

controlling storage of said data which is discarded if said determining step determines that said data received in said reception controlling step has been received already, said storage controlling step further storing said data if said data is not found received already.

28. (New) A transmission method for transmitting audio and video data from a transmission apparatus comprising:

transmitting video data from the transmission apparatus;

transmitting associated audio data packets from the transmission apparatus, the associated audio data packets corresponding to particular video data;

establishing an RTP header for each audio data packet;

storing one or more associated audio packets and a corresponding RTP header;

transmitting a predetermined number of audio packets;

establishing redundant associated audio packets based on the predetermined number of audio packets;

establishing a time interval; and

transmitting the redundant associated audio data packets and the corresponding RTP header from the transmission apparatus after the time interval has elapsed.